

Segment ID: 0514

Water body name: Big Sandy Creek

Freshwater Stream

Sabine River Basin

Total size:

34 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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**Aquatic Life Use**

2004	Dissolved Oxygen grab average	Use Concern	25 mile reach near SH 155	25	18	3	
2004	Dissolved Oxygen grab average	No Concern	Lower 4 miles	4	55	3	
2004	Dissolved Oxygen grab minimum	Fully Supporting	25 mile reach near SH 155	25	18	1	
2004	Dissolved Oxygen grab minimum	Fully Supporting	Lower 4 miles	4	55	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	25 mile reach near SH 155	25	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Lower 4 miles	4	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	25 mile reach near SH 155	25	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Lower 4 miles	4	0		
2002	Acute Metals in water	Not Assessed	Lower 4 miles	4	1		
2002	Chronic Metals in water	Not Assessed	Lower 4 miles	4	1		
2004	Overall Aquatic Life Use	Fully Supporting	25 mile reach near SH 155	25			
2004	Overall Aquatic Life Use	Fully Supporting	Lower 4 miles	4			
2002	Overall Aquatic Life Use	Not Assessed	Upper 5 miles	5			

**Contact Recreation Use**

2002	E. coli single sample	Not Assessed	25 mile reach near SH 155	25	2		
2002	E. coli single sample	Not Assessed	Lower 4 miles	4	0		
2002	E. coli geometric mean	Not Assessed	25 mile reach near SH 155	25	2		
2002	E. coli geometric mean	Not Assessed	Lower 4 miles	4	0		
2002	Fecal coliform single sample	No Concern-Limited Data	25 mile reach near SH 155	25	8	0	
2002	Fecal coliform single sample	Fully Supporting	Lower 4 miles	4	55	11	

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**Contact Recreation Use** (continued)

2002	Fecal coliform geometric mean	No Concern-Limited Data	25 mile reach near SH 155	25	8		89
2002	Fecal coliform geometric mean	Fully Supporting	Lower 4 miles	4	55		171
2002	Overall Recreation Use	Not Assessed	25 mile reach near SH 155	25			
2002	Overall Recreation Use	Fully Supporting	Lower 4 miles	4			
2002	Overall Recreation Use	Not Assessed	Upper 5 miles	5			

**General Use**

2002	Water Temperature	No Concern-Limited Data	25 mile reach near SH 155	25	9	0	
2002	Water Temperature	Fully Supporting	Lower 4 miles	4	56	0	
2002	pH	Use Concern-Limited Data	25 mile reach near SH 155	25	8	2	
2002	pH	Fully Supporting	Lower 4 miles	4	56	1	
2002	Chloride	Fully Supporting	25 mile reach near SH 155	25	55		17.5
2002	Chloride	Fully Supporting	Lower 4 miles	4	55		17.5
2002	Chloride	Fully Supporting	Upper 5 miles	5	55		17.5
2002	Sulfate	Fully Supporting	25 mile reach near SH 155	25	55		16.4
2002	Sulfate	Fully Supporting	Lower 4 miles	4	55		16.4
2002	Sulfate	Fully Supporting	Upper 5 miles	5	55		16.4
2002	Total Dissolved Solids	Fully Supporting	25 mile reach near SH 155	25	72		103.82
2002	Total Dissolved Solids	Fully Supporting	Lower 4 miles	4	72		103.82
2002	Total Dissolved Solids	Fully Supporting	Upper 5 miles	5	72		103.82
2002	Overall General Use	Fully Supporting	25 mile reach near SH 155	25			

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**General Use** (continued)

2002	Overall General Use	Fully Supporting	Lower 4 miles	4			
2002	Overall General Use	Fully Supporting	Upper 5 miles	5			

**Fish Consumption Use**

2002	Human Health Criteria Metals	Not Assessed	Lower 4 miles	4	1		
2002	Overall Fish Consumption Use	Not Assessed	25 mile reach near SH 155	25			
2002	Overall Fish Consumption Use	Not Assessed	Lower 4 miles	4			
2002	Overall Fish Consumption Use	Not Assessed	Upper 5 miles	5			

**Public Water Supply Use**

2002	Finished Water: Running Avg	Fully Supporting	Lower 4 miles	4			
2002	Surface Water: Long-term average Fluoride	Fully Supporting	Lower 4 miles	4	51		0.18
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Lower 4 miles	4	55		0.14
2002	Overall Public Water Supply Use	Fully Supporting	25 mile reach near SH 155	25			
2002	Overall Public Water Supply Use	Fully Supporting	Lower 4 miles	4			
2002	Overall Public Water Supply Use	Fully Supporting	Upper 5 miles	5			

**Overall Use Support**

2004		Fully Supporting	25 mile reach near SH 155	25			
2004		Fully Supporting	Lower 4 miles	4			
2002		Fully Supporting	Upper 5 miles	5			

**Nutrient Enrichment Concern**

2002	Ammonia Nitrogen	Not Assessed	25 mile reach near SH 155	25	2		
2002	Ammonia Nitrogen	No Concern	Lower 4 miles	4	36	0	

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**Nutrient Enrichment Concern** (continued)

2002	Nitrite + Nitrate Nitrogen	Not Assessed	25 mile reach near SH 155	25	2		
2002	Nitrite + Nitrate Nitrogen	No Concern	Lower 4 miles	4	51	0	
2002	Orthophosphorus	Not Assessed	25 mile reach near SH 155	25	2		
2002	Orthophosphorus	No Concern	Lower 4 miles	4	44	0	
2002	Total Phosphorus	Not Assessed	25 mile reach near SH 155	25	2		
2002	Total Phosphorus	No Concern	Lower 4 miles	4	17	0	
2002	Overall Nutrient Enrichment Concerns	Not Assessed	25 mile reach near SH 155	25			
2002	Overall Nutrient Enrichment Concerns	No Concern	Lower 4 miles	4			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Upper 5 miles	5			

**Algal Growth Concern**

2002	Chlorophyll a	Not Assessed	25 mile reach near SH 155	25	2		
2002	Chlorophyll a	Not Assessed	Lower 4 miles	4	0		
2002	Chlorophyll a	Not Assessed	Upper 5 miles	5			

**Sediment Contaminants Concern**

2002	Overall Sediment Contaminant Concerns	Not Assessed	25 mile reach near SH 155	25			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Lower 4 miles	4			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Upper 5 miles	5			

**Fish Tissue Contaminants Concern**

2002	Metals in fish tissue	Not Assessed	25 mile reach near SH 155	25	1		
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**Fish Tissue Contaminants Concern** (continued)

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	25 mile reach near SH 155	25			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 4 miles	4			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper 5 miles	5			

**Public Water Supply Concern**

2002	Finished Water: Chloride	No Concern	25 mile reach near SH 155	25			
2002	Finished Water: Chloride	No Concern	Lower 4 miles	4			
2002	Finished Water: Chloride	No Concern	Upper 5 miles	5			
2002	Finished Water: Sulfate	No Concern	25 mile reach near SH 155	25			
2002	Finished Water: Sulfate	No Concern	Lower 4 miles	4			
2002	Finished Water: Sulfate	No Concern	Upper 5 miles	5			
2002	Finished Water: Total Dissolved Solids	No Concern	25 mile reach near SH 155	25			
2002	Finished Water: Total Dissolved Solids	No Concern	Lower 4 miles	4			
2002	Finished Water: Total Dissolved Solids	No Concern	Upper 5 miles	5			
2002	Finished Water: MTBE	No Concern	25 mile reach near SH 155	25			
2002	Finished Water: MTBE	No Concern	Lower 4 miles	4			
2002	Finished Water: MTBE	No Concern	Upper 5 miles	5			
2002	Finished Water: Perchlorate	Not Assessed	25 mile reach near SH 155	25			
2002	Finished Water: Perchlorate	Not Assessed	Lower 4 miles	4			
2002	Finished Water: Perchlorate	Not Assessed	Upper 5 miles	5			

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**Public Water Supply Concern** (continued)

2002	Finished Water: Overall	No Concern	25 mile reach near SH 155	25			
2002	Finished Water: Overall	No Concern	Lower 4 miles	4			
2002	Finished Water: Overall	No Concern	Upper 5 miles	5			
2002	Surface Water: Chloride	No Concern	25 mile reach near SH 155	25	55		17.5
2002	Surface Water: Chloride	No Concern	Lower 4 miles	4	55		17.5
2002	Surface Water: Chloride	No Concern	Upper 5 miles	5	55		17.5
2002	Surface Water: Sulfate	No Concern	25 mile reach near SH 155	25	55		16.4
2002	Surface Water: Sulfate	No Concern	Lower 4 miles	4	55		16.4
2002	Surface Water: Sulfate	No Concern	Upper 5 miles	5	55		16.4
2002	Surface Water: Total Dissolved Solids	No Concern	25 mile reach near SH 155	25	72		103.82
2002	Surface Water: Total Dissolved Solids	No Concern	Lower 4 miles	4	72		103.82
2002	Surface Water: Total Dissolved Solids	No Concern	Upper 5 miles	5	72		103.82
2002	Surface Water: Overall	No Concern	25 mile reach near SH 155	25			
2002	Surface Water: Overall	No Concern	Lower 4 miles	4			
2002	Surface Water: Overall	No Concern	Upper 5 miles	5			
2002	Overall Public Water Supply Concerns	No Concern	25 mile reach near SH 155	25			
2002	Overall Public Water Supply Concerns	No Concern	Lower 4 miles	4			
2002	Overall Public Water Supply Concerns	No Concern	Upper 5 miles	5			

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**Narrative Criteria Concern**

2002	Overall Narrative Criteria Concerns	No Concern	25 mile reach near SH 155	25			
2002	Overall Narrative Criteria Concerns	No Concern	Lower 4 miles	4			
2002	Overall Narrative Criteria Concerns	No Concern	Upper 5 miles	5			

**Overall Secondary Concern**

2002		No Concern	25 mile reach near SH 155	25			
2002		No Concern	Lower 4 miles	4			
2002		No Concern	Upper 5 miles	5			